

WHAT IS CLAIMED IS:

1. An image character recording method comprising the steps of fixing a glass substrate on a cylindrical support member, rotating the cylindrical support member (a fast scan),
5 moving a laser recording head in an axial direction of the cylindrical support member (a slow scan), and modulating and controlling a laser beam like an image through the laser recording head to record an image character on the glass substrate.

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2. The image character recording method according to claim 1, wherein a radius of curvature of the cylindrical support member is set within a bending permissible stress of the glass substrate.

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3. The image character recording method according to claim 2, wherein the radius of curvature of an ordinary glass is 1.39 m or more.

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4. The image character recording method according to any of claims 1 to 3, wherein a plurality of glass substrates are fixed onto the cylindrical support member.

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5. An image character recording apparatus comprising a glass substrate housing cassette for superposing a plurality of glass substrates and accommodating them, a cylindrical support member capable of fixing the glass substrate, a glass substrate delivery mechanism for taking out the glass substrate in an uppermost part of the glass substrate housing cassette and
30 delivering the same glass substrate onto the cylindrical support member, a glass substrate fixing mechanism for fixing the glass substrate onto the cylindrical support member, a rotating device for rotating the cylindrical support member, a laser recording head which is movable in an axial direction of the cylindrical support member, and a modulating controller for modulating
35 and controlling a laser beam transmitted from the laser recording

head.

6. The image character recording apparatus according to claim 5, wherein a radius of curvature of the cylindrical support member is set within a bending permissible stress of the glass substrate.

7. The image character recording apparatus according to claim 6, wherein the cylindrical support member is a recording drum.

8. The image character recording apparatus according to claim 6, wherein the cylindrical support member is formed with a plurality of discs arranged in an axial direction.